

(57) Abstract

The present invention provides a method of identifying subject's susceptibility to cardiovascular diseases or risk of developing myocardial infarction (MI) or cerebrovascular stroke by detecting gene polymorphisms and other gene mutations from a biological sample of the subject and optionally obtaining information concerning the family and medical history, blood, serum, plasma and urinary analytes of the subject. The invention also provides a multivariate model, a combination or algorithm of variables which best describes the probability of cardiovascular diseases, especially MI and stroke. The invention also relates to a test kit and software for accomplishing the method.